

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) A three-dimensional image display apparatus, comprising:  
an image display having a plurality of pixels arranged in an array, wherein the image display is configured to provide image light having a polarization;  
a lens array arranged in front of the image display, configured to function as a lens for light having a first polarization direction, and not function as a lens for light having a polarization direction differing from the first polarization direction; and  
a birefringent phase modulator placed between the image display and the lens array, wherein the birefringent phase modulator is configured to rotate a polarization plane of the image light.
2. (Original) The three-dimensional image display apparatus according to claim 1, wherein the birefringent phase modulator has a variable phase axis direction which is controlled by applied voltage.
3. (Original) The three-dimensional image display apparatus according to claim 1, wherein the birefringent phase modulator has a phase axis direction being variable on a portion of a screen of the image display.

4. (Original) The three-dimensional image display apparatus according to claim 1, wherein the birefringent phase modulator has phase axis directions differed on a screen of the image display.

5. (Original) The three-dimensional image display apparatus according to claim 1, wherein the lens array has a liquid crystal layer and a pair of electrodes which sandwich the liquid crystal layer, and controls a focal distance by applying a voltage between the pair of electrodes.

6. (Original) A three-dimensional image display apparatus comprising:  
an image display having a plurality of pixels configured in an array,  
wherein the image display is configured to output an image light having polarization;  
a lens array arranged in front of the image display, having a liquid crystal layer and a pair of electrodes which sandwich the liquid crystal layer, and configured to control a lens action for light having a first polarization direction by applying a voltage;  
and  
a birefringent phase modulator arranged between the image display and the lens array and configured to rotate a polarization plane of the image light.

7. (Original) The three-dimensional image display apparatus according to claim 6, wherein one of the electrodes has a comb-like structure.

8. (Currently Amended) The three-dimensional image display apparatus according to claim 6, wherein the lens array is configured to change a three-dimensional image display and a two-dimensional image display by controlling the applied voltage according to a selection of a three-dimensional image and a two-dimensional image.

9. (Original) A three-dimensional image display apparatus comprising:  
an image display configured to array a plurality of pixels and output an image light which has polarization;

a first lens array arranged in front of the image display, has a liquid crystal layer and a pair of electrodes which sandwich the liquid crystal layer, and configured to control a lens effect to light which has a first polarization direction by applied voltage;

a second lens array arranged in front of the first lens array, has a liquid crystal layer and a pair of electrodes which sandwich the liquid crystal layer, and configured to control a lens effect to light which has a second polarization direction differed from the first polarization direction by applied voltage;

a first birefringent phase modulator arranged between the image display and the first lens array and configured to rotate a polarization plane of the image light;  
and

a second birefringent phase modulator arranged between the first lens array and the second lens array and configured to rotate a polarization plane of the output light from the first lens array.

10. (Original) The three-dimensional image display apparatus according to claim 1, wherein the birefringent phase modulator has a liquid crystal layer and a pair of electrodes which sandwich the liquid crystal layer, and configured to control a phase-axis by a polarity of applied voltage to the electrodes.

11. (Original) The three-dimensional image display apparatus according to claim 6, wherein the birefringent phase modulator has a liquid crystal layer and a pair of electrodes which sandwich the liquid crystal layer, and configured to control a phase-axis by a polarity of applied voltage to the electrodes.

12. (Currently Amended) The three-dimensional image display apparatus according to claim 10, wherein the birefringent phase modulator is configured to change a three-dimensional image display and a two-dimensional image display by controlling the phase-axis according to a selection of a three-dimensional image and a two-dimensional image.

13. (Currently Amended) The three-dimensional image display apparatus of claim 11, wherein the birefringent phase modulator is configured to change a three-dimensional image display and a two-dimensional image display by controlling the phase-axis according to a selection of a three-dimensional image and a two-dimensional image.

14. (Original) The three-dimensional image display apparatus according to claim 1, wherein the birefringent phase modulator has a liquid crystal layer and a pair of electrodes which sandwich the liquid crystal layer, and configured to control a phase-axis by an applied voltage to the electrodes.

15. (Original) The three-dimensional image display apparatus according to claim 6, wherein the birefringent phase modulator has a liquid crystal layer and a pair of electrodes which sandwich the liquid crystal layer, and configured to control a phase-axis by an applied voltage to the electrodes.

16. (Original) The three-dimensional image display apparatus according to claim 14, wherein the birefringent phase modulator is configured to change a three-dimensional image display and a two-dimensional image display by controlling the applied voltage according to a selection of a three-dimensional image and a two-dimensional image.

17. (Original) The three-dimensional image display apparatus according to claim 15, wherein the birefringent phase modulator is configured to change a three-dimensional image display and a two-dimensional image display by controlling the applied voltage according to a selection of a three-dimensional image and a two-dimensional image.

18. (Original) The three-dimensional image display apparatus according to claim 1, wherein the birefringent phase modulator has a liquid crystal layer which is driven by a matrix and a pair of electrodes and sandwich the liquid crystal layer, and configured to control a phase-axis partially by an applied voltage to the electrodes.

19. (Original) The three-dimensional image display apparatus according to claim 6, wherein the birefringent phase modulator has a liquid crystal layer which is driven by a matrix and a pair of electrodes and sandwich the liquid crystal layer, and configured to control a phase-axis partially by an applied voltage to the electrodes.

20. (Currently Amended) The three-dimensional image display apparatus according to claim 18, wherein the birefringent phase modulator is configured to change a three-dimensional image display and a two-dimensional image display partially by controlling the applied voltage according to a selection of a three-dimensional image and a two-dimensional image.

21. (Currently Amended) The three-dimensional image display apparatus according to claim ~~[[18]]~~ 19, wherein the birefringent phase modulator is configured to change a three-dimensional image display and a two-dimensional image display partially by controlling the applied voltage according to a selection of a three-dimensional image and two-dimensional image.

22. (Currently Amended) The three-dimensional image display apparatus according to claim 13, wherein the lens array is configured to control the applied voltage of the lens array, when the two-dimensional image is selected by controlling the polarity of applied voltage of the birefringent phase modulator.